W 01/05/03

Page 1 of 28

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. SP015.C17	APPLICATION NO. To Be Assigned
APPLICANT Nguyen et al.	
FILING DATE Herewith	GROUP To be assigned

				v.s.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOC NUM	UMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE	
i~	AA1	3,3	46,851	10/1967	Thornton et al.				
6	AB1	3,7	18,912	02/1973	Hasbrouck et al.				
N	AC1	3,7	71,138	11/1973	Celtruda et al.				
à	AD1	3,7	89,365	01/1974	Jen et al.				
2	AE1	4,0	34,349	07/1977	Monaco et al.				
N	AF1	4,2	00,927	04/1980	Hughes et al.				
2	AG1	4,2	28,495	10/1980	Bernhard et al.		<u> </u>		
n	AH1	4,2	96,470	10/1981	Fairchild et al.				
0	AI1	4,3	15,314	02/1982	Russo				
a	AJ1	4,4	10,939	10/1983	Kawakami				
<i>^</i>	AK1	4,4	34,461	02/1984	Puhl		1		
				FOREIG	N PATENT DOCUMENTS			_ '	
EXAMINER INITIAL		DOC	UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
a	AL1	0 4	79 390 A2	08/1992	EP			Yes No	
6	AM1	0 4	26 393	08/1991	EP			Yes No	
6	AN1	0 4	19 105 A2	10/1990	EP			Yes No	
2	A01	0 4	02 856	12/1990	EP			Yes No	
0	AP1	0 3	77 991 A3	12/1989	EP			Yes No	
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pa	ges, etc.)			
6	AR	1	8-Bit Embe	edded controll	er Handbook, Intel, 1989,	pp. 1-1- 1	-19 and 3	-1 -3-37.	
1	AS	Acosta, Raymond D. et al., "An Instruction Issuing Approach to Enhancing Performance in Multiple Functional Unit Processors," IEEE Transactions on Computers, Vol. C-35 No. 9, September 1986, pp. 815-828.							
4	AT	1	Agerwala e	et al., "High Division, Marc	Performance Reduced Instru h 31, 1987, pp. 1-61.	ction Set	Processor	8," IBM	
EXAMINER			// //	1		DATE CONS	IDERED		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. line through citation if not in conformance and not considered. Include copy of this form with next

::ODMA\HHODMA\SKGF_DC1;195666;1

communication to Applicant.

6KGF Rev. 1/95

			•			ATTY. DOCKET NO. SP015.C17			CATION NO Assigned	
			PTO-1449			APPLICANT Nguyen et al.		10 20		
INFO	RMATIO	N DIS	CLOSURE ST	<u>ATEMENT</u>		FILING DATE Herewith		GROUP To be	assigned	
	-,			Π.S.	P	ATENT DOCUMENTS				
EXAMINER INITIAL		DOC	UMENT BER	DATE	Τ	JAME	СГ	ASS	SUB- CLASS	FILING DATE
n	AA2		59,657	07/1984	۲,	furao			CHAOS	
n	AB2		76,525	10/1984	_	Shii		-		
91	AC2		26,989	12/1986	+-	Torii		•		
a	AD2	4,6	75,806	06/1987	t	Jchida				
a	AE2		14,994	12/1987	7	Oklobdzija et al.				
a	AF2	4,7	22,049	01/1988	+-	ahti	Г			
02	AG2	1	52,873	06/1988	┪~	Shonai et al.				<u></u>
a	AH2	1	58,948	07/1988	1	May et al.				
6	AI2	1	66,566	08/1988	1	Chuang	\vdash			
~	AJ2		07,115	02/1989	1	Torng	1			
~	AK2		58,105	08/1989	+	Curiyama et al.	T			
				· · · · · · · · · · · · · · · · · · ·	_	PATENT DOCUMENTS			·	
EXAMINER				1	Ť		Τ		T	T .
INITIAL		DOC	UMENT BER	DATE		COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
n	AL2	0 3	72 751 A2	11/1989	E	EP				Yes No
n	AM2	0 3	68 332 A2	05/1990	E	EP				Yes No
~	AN2	0 3	54 585 A2	02/1990	F	SP				Yes No
2	A02	0 1	71 595 A2	02/1986	E	SP			ļ	Yes No
1	AP2	0 1	36 179 A2	09/1984	E	SP .				Yes No
			OTHER (Inc)	luding Author,	ī	itle, Date, Pertinent Page	8,	etc.)	•	
. 4	AR	2	Aiken, A.		Α.	., "Perfect Pipelining: A			Paralleliz	ation
4	AS	2	Andrews, 1 9, May 1,	Distinctions E 1989, Littlet	31 u	ur Between DSP Solutions, n, Mass., pp. 86-99.	Comp	outer I	Design, Vo	1. 28, No.
4	АТ	Charlesworth, A.E., "An Approach to Scientific Array Processing: The Architectural Design of the AP-120B/FPS-164 Family," Computer, Vol. 14, September 1981, pp. 18-27.								
EXAMINER			M				PETE	CONSI	DERED /	
EXAMINER: I line through communicatio	citat:	ion i	not in co	onsidered, whe onformance and	th	er or not citation is in cot considered: Include co	- J	ormanc of the	with Mi	EP 609. Draw th next

	ATTY. DOCKET NO. SP015.C17	APPLICATION NO. To Be Assigned
FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	APPLICANT Nguyen et al.	
	FILING DATE Herewith	GROUP To be assigned
	.S. PATENT DOCUMENTS	
ER ER		

					Herewith	To be	assigned	
				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL			UMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
w	AA3	4,8	97,810	01/1990	Nix			
m	AB3	4,9	01,228	02/1990	Kodama			
9	AC3	4,9	01,233	02/1990	Liptay			
n	AD3	4,9	03,196	02/1990	Pomerene et al.			
4	AE3	4,9	24,376	05/1990	Ooi			
n	AF3	4,9	26,323	05/1990	Baror et al.			
m	AG3	4,9	42,525	07/1990	Shintani et al.			
~	АН3	4,9	85,825	01/1991	Webb, Jr. et al.			
2	AI3	4,9	92,938	02/1991	Cocke et al.	1		
N	AJ3		03,462	03/1991	Blaner et al.		1	
W	AK3		01,341	03/1992	Circella et al.			
				·	N PATENT DOCUMENTS			<u> </u>
EXAMINER		T^{-}		<u> </u>				
INITIAL			UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
W	AL3	2 5	75 564	12/1985	FR			Yes No
~	АМЗ	2 0	11 682	11/1979	GB			Yes No
n	AN3	61-	95447	06/1986	JP			Yes No
Cr	AO3	2-2	78337	11/1990	JP			Yes No
1	AP3	3-1	37729	06/1991	JP .			Yes No
			OTHER (Inc)	uding Author,	Title, Date, Pertinent Pag	es, etc.)		
W	AR	3	Proceeding	s of the 2 nd 1	Architecture for a Trace S International Conference on and Operating Systems, Octob	Architect	ural Supp	ort for
2	AS	<u>3</u>	Foster et Execution	al., "Percola " IEEE Trans.	ation of Code to Enhance Par On Computers, December 197	allel Dis	patching a	and
4	AT	3	Goodman, a	J.R. and Hsu, cks," ACM, 198	W., "Code Scheduling and Re 18, pp. 442-452.	gister AX	location :	in Large
EXAMINER	_//	1				DATE CONS	IDERED	
			_ //			// \7		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

ATTY. DOCKET NO. APPLICATION NO. SP015.C17 To Be Assigned FORM PTO-1449 APPLICANT Nguyen et al. INFORMATION DISCLOSURE STATEMENT GROUP FILING DATE To be assigned Herewith U.S. PATENT DOCUMENTS EXAMINER DOCUMENT INITIAL DATE NAME CLASS SUB-FILING DATE NUMBER CLASS N 5,127,091 02/1995 AA4 Horst 12 AB4 5,129,067 07/1992 Johnson 7 AC4 5,134,561 07/1992 Liptay AD4 5,155,843 10/1992 Stamm et al. ~ AE4 5,187,796 02/1993 Wang et al. 07/1993 AP4 5,226,126 McFarland et al. a AG4 5,226,170 07/1993 Rubinfeld 5,230,068 07/1993 AH4 Van Dyke et al. a AI4 5,355,460 10/1994 Eickenmeyer et al. Ī McFarland et al. AJ4 5,442,757 08/1995 AK4 5,461,715 10/1995 Matsuo et al. FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-TRANSLATION NUMBER CLASS 3-147134 06/1991 JΡ Yes AL4 No 2-22736 01/1990 JΡ Yes AM4 No 2-87229 03/1990 JΡ Yes AN4 No 3-35322 02/1991 JР Yes A04 No 64-36366 02/1989 JP Yes AP4 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Gross et al., "Optimizing Delayed Branches," Proceedings of the 5th Annual AR 4 Workshop on Microprogramming, October 5-7, 1982, pp. 114-120. Groves, R.D. and Oehler, R., "An IBM Second Generation RISC Processor AS 4 Architecture, " IEEE, 1989, pp. 134-137. Bakoglu et al., "IBM Second-Generation RISC Machine Organization," 1990, IERE, AT 4 pp. 173-178. EXAMINER DATE CONSIDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FO	RM	PTO-14	49	
INFORMATION	DI	SCLOSUE	E_	STATEMENT

ATTY. DOCKET NO. APPLICATION NO. SP015.C17 To Be Assigned APPLICANT Nguyen et al. GROUP FILING DATE

					Herewith	To be	assigned	<u> </u>
				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
W.	AA5	5,4	87,156	01/1996	Popescu et al.			
W	ABS	5,4	88,729	01/1996	Vesegna et al.			
~~~	AC5	5,5	39,911	07/1996	Nguyen et al.			
$\sim$	AD5	5,5	61,776	10/1996	Popescu et al.			
$\sim$	AE5	5,5	74,927	11/1996	Scantlin			
$\sim$	AF5	5,5	92,636	01/1997	Popescu et al.			
	AG5	5,6	25,837_	04/1997	Popescu et al.			
W)	AH5	5,6	27,983	05/1997	Popescu et al.			
Q)	AI5	5,6	51,125	07/1997	Witt et al.			
$\omega$ ,	AJ5	5,6	89,720	11/1997	Nguyen et al.			
	AK5	5,7	08,841	01/1998	Popescu et al.			
			<del>.</del>	· · · · · · · · · · · · · · · · · · ·	N PATENT DOCUMENTS	<u> </u>	<u> </u>	
EXAMINER INITIAL		DOCU	MENT ER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL5	2-13	0634	05/1990	Japan			Ye:
	AM5							Ye:
	AN5							Yes No
	A05							Yes No
	AP5							Yes
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)		
W	AR	2 <u>1</u>	Hennessy	et al., Comput	Mflops 64-bit Microprocess 15.2.4.  er Architecture: A Quantita (in its entirety).			
EXAMINER I	AT (nitial	<u>5</u> if r	Processor	" IRSE, 1990,	ther or not citation is in	pare cons	IDERED /	PEP 609 Prair
ine through	citat	ion i	f not in $\phi$ o	nformance and	not considered. Include	ppy of th	is form wi	th next

Page 6 of 28 ATTY. DOCKET NO. APPLICATION NO. SP015.C17 To Be Assigned FORM PTO-1449 APPLICANT Nguyen et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP Herewith To be assigned U.S. PATENT DOCUMENTS EXAMINER DOCUMENT INITIAL DATE NAME CLASS SUB-FILING DATE NUMBER CLASS 5,768,575 06/1998 AA6 McFarland et al. AB6 5,778,210 07/1998 Henstrom et al. AC6 5,797,025 08/1998 Popescu et al. 5,832,205 11/1998 Kelly et al. AE6 5,832,293 11/1998 Popescu et al. AF6 5,961,629 10/1999 Nguyen et al. AG6 6,038,654 03/2000 Nguyen et al. 6,092,181 07/2000 AH6 Nguyen et al. AI6 6,101,594 08/2000 Nguyen et al. AJ6 6,128,723 10/2000 Nguyen et al. AK6 5,233,694 08/1993 Hotta et al. FOREIGN PATENT DOCUMENTS EXAMINER DOCUMENT DATE COUNTRY INITIAL CLASS SUB-TRANSLATION NUMBER CLASS Yes AL6 No Yes AM6 No Yes AN6 No Yes A06 No Yes No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Hwu et al., "HPSm, a High Performance Restricted Data Flow Architecture Having Minimal Functionality," Proceedings from ISCA-13, Tokyo, Japan, June 2-5, 1986, <u>6</u> pp. 297-306. Hwu et al., "Checkpoint Repair for High-Performance Out-of-Order Execution Machines," IEEE Trans. On Computers, Vol. C-36, NO. 12, December 1987, pp. 1496-AS <u>6</u> 1514. Hwu et al., "Exploiting Parallel Microprocessor Microarchitectures with a Compiler Code Generator, "Proceedings of the 15th Annual Symposium on Computer Architecture, June 1988, pp. 45-53. ΑT <u>6</u> **EXAMINER** DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

				<del></del>				Page 7 of 28
	_				ATTY. DOCKET NO. SP015.C17		CATION NO Assigned	•
INFO			TO-1449 CLOSURE STA	TEMENT	APPLICANT Nguyen et al.			
					FILING DATE Herewith	GROUE To be	assigned	
				v.s.	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA7							
	AB7							
	AC7							
	AD7	ļ					ļ	
	AE7							
	AF7	ļ					<del> </del>	
	AG7	<u> </u>			***		ļ	<del></del>
	AH7	<del></del>	<u>-</u> -				<del></del>	
	AI7	<del> </del>						
	AJ7 AK7	<del>                                     </del>	<del></del>		72			
	J AK /	<u> </u>		TODET C			<u> </u>	<u> </u>
EXAMINER	Τ	T		FOREIG	N PATENT DOCUMENTS		1	1
INITIAL		DOCT NUME	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL7		<del> </del>		W			Ye: No
	AM7				,			Ye: No
	AN7	1						Yes
	A07							Ye:
	AP7							Yes
			OTHER (Incl	uding Author,	Title, Date, Pertinent	Pages, etc.)		
W	AR	<u> </u>	IBM Journa	al of Research	and Development, Vol.	34, No. 1, Ja	nuary 1990	, pp. 1-70.
$\mathcal{N}$	AS	2	Succeeding	Operations t	e Bulletin, Overlap of hrough Second Set of Ge ew York, NY, pp. 2727-2	eneral Purpose	e Operatio Registers	n With
	AT	7	Jelemensky Applicatio CA, pp. 51	ns, Electro C	mputer Features Advance onference Record, Vol.	ed Hardware Fo 14, April 11,	r Real-Tim 1989, Los	e Control Angeles,
EXAMINER		V	7			DATE CONS	IDERED	<del>//</del> -
EXAMINER: In line through communication	citati	on if	not in co	nsidered, when	ther or not citation is not considered. Inclu	in conformance of the	ce with MP	EP 609. Draw

									Page 8 of 28
					ATTY. DOCKET NO. SP015.C17			ICATION NO R Assigned	
INPO			PTO-1449 CLOSURE STA	TEMENT	APPLICANT Nguyen et al.	<u>-</u>	"		
INFO	RMATIO	N DIS	CLOSURE SIA	AT EMENT	FILING DATE Herewith		GROUI To be	e assigned	
				v.s.	PATENT DOCUMENTS			<del></del>	
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA8						-		
	AB8								
	AC8								
	AD8								
	AE8								
	AF8								
	AG8							<u> </u>	
	АН8								
	AI8	<del>                                     </del>					_		
	АЈ8	<del> </del>							
	AK8								<u> </u>
	<del></del>	<del>-</del>		FOREIG	N PATENT DOCUMENTS	γ			1
EXAMINER INITIAL		DOC	UMENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	ALB	_							Ye:
	AM8								Yes
	1.2.0	+							Yes
· · · · · · · · · · · · · · · · · · ·	BMA								No
	AO8								Ye:
	AP8								Ye:
			OTHER (Incl	uding Author,	Title, Date, Pertinent	Pages,	etc.)		
W	AR	<u>8</u>	Johnson, 1 1989, 134	William M., Su pages.	per-Scalar Processor De	esign, (I	Disser	tation), c	opyright
0	AS	8	Johnson, its entire	William M., Su ety).	per-Scalar Processor De	esign, Pr	rentic	e-Hall, In	c., 1991 (in
1	AT	<u>8</u>	Jouppi, N IEEE, 1989	.H., "Integrat 9, pp. 229-232	ion and Packaging Plate	eaus of 1	Proces	ssor Perfor	mance, "

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. line through citation if not in conformance and not considered. Include copy of this form with next-communication to Applicant.

DATE CONSTREED

EXAMINER

									Page 9 of 2
					ATTY. DOCKET NO. SP015.C17			CATION NO Assigned	
INFO			PTO-1449 <u>Closure</u> sta	TEMENT	APPLICANT Nguyen et al.				
<u> </u>	IGIATIO	N DIS	CLOSONE SIA	XI EMERY I	FILING DATE Herewith		GROUE To be	assigne	1
				v.s.	PATENT DOCUMENTS				
EXAMINER									
INITIAL		NUM	UMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA9	<b>-</b>							
	AB9	<del> </del>						<u> </u>	
	AC9	╄			<u> </u>			ļ	
	AD9	<del> </del>						<u> </u>	
	AE9	<b>↓</b>						<u> </u>	
	AF9	<u> </u>	·					ļ	_
ļ	AG9	<b>-</b>						<u> </u>	
	AH9	<b>-</b>						<u> </u>	
	AI9	<b>-</b>							
	AJ9	_						<u> </u>	
	AK9				<u> </u>		-		1
			<u> </u>	FOREIG	N PATENT DOCUMENTS			<del></del>	<del></del>
EXAMINER INITIAL		DOC	UMENT BER	DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION
	AL9		•						Ye
	ам9								Ye.
	AN9							<u> </u>	Ye
								<del></del>	Ye
	A09							<del> </del>	N-
	AP9								Ye.
			OTHER (Inc)	luding Author,	Title, Date, Pertinent	Pages,	etc.)	*	
W	AR	<u>9</u>	Parallelia	sm and Its Eff	niform Distribution of ect on Performance," IE 89, pp. 1645-1658.	Instruc EE Tran	tion-L sactio	evel and ns on Com	Machine puters, Vol.
1	AS	<u>9</u>	Superpipe:	lined Machines ural Support f	le Instruction-Level Pa ," Proceedings of the 3 or Programming Language	rd Inter	nation	al Confer	cence on
1	AT	<u>9</u>	Keller, R 1975, pp.	.M., "Look-Ahe	ad Processors," Computi	ng Surv	eys, V	(ol , No	4, December

EXAMINER: Initial if reference/considered, whether or not citation is in conformance with MARP 609. line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant communication to Applicant.

DATE CONSIDERED

EXAMINER

						Y. DOCKET NO. 15.C17			CATION NO Assigned	
FORM PTO-1449  INFORMATION DISCLOSURE STATEMENT						LICANT yen et al.		.1.23. 23		
INFO	RMATION	DISC	CLOSURE STA	TEMENT	FIL	ING DATE		GROUP To be	assigned	
				TT. S.		DOCUMENTS				
EXAMINER	T	T	· .	0.5.		DOCOMBATS			Γ	T
INITIAL		DOCU NUME	MENT BER	DATE	NAME		c	LASS	SUB- CLASS	FILING DATE
	AA10	<u> </u>			<u> </u>				<u> </u>	<u> </u>
	AB10	L								<u> </u>
	AC10									<u> </u>
	AD10									<u> </u>
	AE10									
	AF10	<u> </u>				-1				
	AG10									
	AH10									
	AI10									
	AJ10									
	AK10									
				FOREIG	N PATE	NT DOCUMENTS		*		
EXAMINER										
INITIAL		DOCU	JMENT BER	DATE	COUNT	RY	С	LASS	SUB- CLASS	TRANSLATION
	AL10						ļ			Yes No
			· · · · · ·						<u> </u>	Yes
<u> </u>	AM10								<u> </u>	No Yes
	AN10					·			-	No Yes
	A010				<u> </u>	<del>.</del>				No Yes
	AP10	<u></u>								No.
			OTHER (Incl	uding Author,	Title	, Date, Pertine	nt Pages,	etc.)		
$\mathcal{N}$	AR	10	Lam, M.S., Comput. Sc	"Instruction ci., Vol. 4, 1	Sched	duling For Super	escalar A	rchitect	tures," Ar	ınu. Rev.
$\mathcal{A}$	AS	<u>10</u>	Lee, Ruby	B., "Precision	n Arch	itecture," COME	PUTER, Jai	nuary 1	989, pp. 7	78-91.
1	AT	10	Melear, C. 9, No. 2,	, Motorola, In April 1989, Lo	nc., T os Ala	he Design of the mitos, CA, pp.	ne 88000 I 26-38.	RISC Far	nily, IEEE	MICRO, Vol.
EXAMINER	1	$\overline{\ \ }$		7			DAT	re dons	(DERED	7
line through	citati	on if	not in co	nsidered, when	ther o	r not citation onsidered. Inc	is in con	formand of thi	e with MP	PEP 609. Draw
communication	n to Ap	plica	ant. //				17	/	/	

								Page 11 of 2		
					ATTY. DOCKET NO. SP015.C17		PLICATION NO Be Assigned	•		
INFO			PTO-1449 CLOSURE STA	TEMENT	APPLICANT Nguyen et al.					
		- DIU	CDOBOND 511		FILING DATE Herewith		OUP be assigned			
				บ.ร.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE		
-	AA11	1					-			
	AB11									
	AC11									
	AD11	<u> </u>								
	AE11	<del> </del>								
<del></del>	AF11	├	·				<del></del>			
	AG11 AH11	┼				<del> </del>				
	AI11	┼				+	<del></del>			
<del></del>	AJ11									
	AK11									
				PORBIG	N PATENT DOCUMENTS					
EXAMINER INITIAL		DOCT	UMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL11							Ye:		
	AM11		<del></del>					Ye:		
	AN11							Ye:		
	A011							Ye:		
	AP11							Ye.		
	· <b>.</b>		OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	jes, etc	.)			
h)	AR	11	Murakami, Pipelining 78-85.	K. et al., "S g): A Novel Hi	IMP (Single Instruction St gh-Speed Single-Processor i	ream/Mul Archited	tiple Instructure," ACM,	ction 1989, pp.		
4)	AS	11	Workstatio	et al., "Arc ons," Proceedi CA, pp. 214-	chitecture and Compiler Enhance ngs from IEEE Compcon, Feb. 218.	ancement ruary 25	s for PA-RIS	C 91, San		
W	AT	11	Patent Abs	stracts of Jap Seisakusho K K	nan, Vol. 010, No. 089, Apr. () November 11, 1985.	il 1986,	£ JB, 70, 60	225 943		
EXAMINED /	1/	1 /	/ //			DATE A	wat per en			

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FO	RM PTO-1449	
INFORMATION	DISCLOSURE	STATEMENT

ATTY. DOCKET NO. SP015.C17	APPLICATION NO. To Be Assigned
APPLICANT Nguyen et al.	
FILING DATE	GROUP

					FILING DATE Herewith		GROUP To be	assigned	.
				пе	PATENT DOCUMENTS		1.0.00	40013	
EXAMINER	7	T		0.5.	PATENT DOCUMENTS	··· I	I		7
INITIAL		DOCT	JMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA12								
	AB12								
	AC12								
	AD12	<u> </u>							
	AE12	ļ				<u> </u>	_		
	AF12								
	AG12	ļ			T				
	AH12								
	AI12								
	AJ12	<b>_</b>			****				
	AK12	]		<u> </u>					
	1			FORBIG	N PATENT DOCUMENTS		<del>-</del> -		<del>,</del>
EXAMINER INITIAL		DOCT	UMENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL12								Yes No
	AM12	ļ							Yes No
	AN12	<u> </u>							Yes No
	A012	ļ							Yes No
	AP12								Yes No
	<del>,</del>	-	OTHER (Inc.)	uding Author,	Title, Date, Pertine	ent Pages,	etc.)		
(l)	AR	<u>12</u>	Microarch:	l., "Critical itecture," Pro 1985, pp. 109-	Issues Regarding HPS ceedings of the 18 th	, A High Po Annual Wor	erforma kshop c	nce on Microp	programming,
Ø	AS	12	Patt et al., "HPS, A New Microarchitecture: Rationale and Introduction," Proceedings of the 18 th Annual Workshop on Microprogramming, December 1985, pp. 103-108.						
	Pleszkun et al., "The Performance Potential of Multiple Functional Unit Processors," Proceedings of the 15th Annual Symposium on Computer Architecture, June 1988, pp. 37-44.								
EXAMINER			h			DATE	colsi	DERED	5
EXAMINER: I line through communication	ı citati	on i	f/not in co	onsidered, whe	ther or not citation not considered. Inc	is in cont	of this	e with Mi	PEP 609. Draw
Communitacio	II CO A	7/	Z.11 .			/-/		<u> </u>	

									Page 13 of 28
					ATTY. DOCKET NO. SP015.C17			CATION NO	).
TNFO			PTO-1449 CLOSURE STA	TEMENT	APPLICANT Nguyen et al.	<u>=</u>			
				A DATE OF THE PARTY OF THE PART	FILING DATE Herewith	GROUP To be	assigned	1	
				U.S.	PATENT DOCUMENTS				
EXAMINER INITIAL		DOC	UMENT BER	DATE	NAME	CL	ASS	SUB- CLASS	FILING DATE
	AA13								
	AB13	<u> </u>							
	AC13	<del> </del>		<u> </u>					
	AD13	<del> </del>			<del></del>			ļ	<u> </u>
	AE13	╂							
	AP13	+		<del></del>			_	<u> </u>	
	AG13	<del> </del>		<u> </u>					
	AH13 AI13	┼		<del></del>					
<del></del>	AJ13	╁					···		<del> </del>
	AK13	1						<del>                                     </del>	<del> </del>
<del></del> ·	1			PORRIG	N PATENT DOCUMENTS		····	<u> </u>	I
EXAMINER	T	T	···					T	
INITIAL		DOC!	UMENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION
	AL13	<u> </u>							Yes No
	AM13	_							Yes
	AN13	<u> </u>							Yes No
	A013	ļ							Yes No
	AP13								Yes No
	г	•	OTHER (Incl	uding Author,	Title, Date, Pertinent	Pages,	etc.)		
	AR	13	Pleszkun e the 14 th II	et al., "WISQ: nternational S	A Restartable Architec ymposium on Computer Ar	ture Usi chitectu	ng Que ire, Ji	eues," Pro une 1987,	oceedings of pp. 290-299.
<i>U</i> .	AS	<u>13</u>	Popescu et 1991(in it	t al., The Met. s entirety).	aflow Architecture, Met	aflow Te	chnolo	ogies, In	c., June
	,AT	13	S. McGeady IEEE, 1990	, "The i960A :	Superscalar Implementat	ion of t	he 809	060 Archi	tecture,"
EXAMINER /	//	$\overline{}$	1	1		DATE	copsi	DERED	
		-	//	· .			, , , -	///	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449  INFORMATION DISCLOSURE STATEMENT  OUT OF THE PROPERTY OF THE PR	LING DATE						
FILING DATE GROUP TO be assigned  U.S. PATENT DOCUMENTS  EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB- FI	LING DATE						
EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB- FI	LING DATE						
EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB- FI	LING DATE						
AA14							
AB14							
AC14							
AD14							
AE14							
AF14							
AG14							
AH14							
AT14							
AJ14							
AK14							
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB- NUMBER TE	RANSLATION						
AL14	Yes No						
AM14	Yes No						
AN14	Yes No						
A014	Yes No						
AP14	Yes No						
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
AR 14 Smith et al., Implementation Precise Interrupts in Pipelined Processors, Transactions on Computers, Vol. 37, No. 5, May 1988, New York, NY, p. 56							
Smith et al., "Implementation of Precise Interrupts in Pipelined Process Proceedings of the 12 th Annual International Symposium on Computer Archiv June 1985, pp. 36-44.	Smith et al., "Implementation of Precise Interrupts in Pipelined Process," Proceedings of the 12 th Annual International Symposium on Computer Architecture, June 1985, pp. 36-44.						
Smith et al., "Limits on Multiple Instruction Issue," Proceedings of the International Conference on Architectural Support for Programming Language Operating Systems, April 1989, pp. 290-302.	a 3 rd ages and						
EXAMINER DATE CONSIDERED							
BXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP line through citation if not in conformance and not considered. Include copy of this form with communication to Applicant.	609. Draw next						

FO	RM	PTO-1449	
INFORMATION	DI	SCLOSURE	STATEMENT

ATTY. DOCKET NO. SP015.C17	APPLICATION NO. To Be Assigned
APPLICANT Nguyen et al.	
FILING DATE	GROUP

L					Herewith		To be	assigned	<u> </u>	
U.S. PATENT DOCUMENTS										
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CI	ASS	SUB- CLASS	FILING DATE	
	AA15									
	AB15									
	AC15									
	AD15						<u> </u>			
	AE15		<u> </u>							
	AF15							ļ		
	AG15									
	AH15									
	AI15					_				
	AJ15									
	AK15									
				FOREIG	N PATENT DOCUMENTS					
EXAMINER INITIAL		DOCT	UMENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION	
	AL15								Yes No	
	AM15			<u>.</u>					Yes No	
	AN15								Yes No	
	A015								Yes No	
	AP15				-				Yes No	
			OTHER (Incl	uding Author,	Title, Date, Pertinent I	Pages,	etc.)			
$\mathcal{U}$	AR	<u>15</u>	Smith, M.I Processor,	O. et al., "Bo ," IEEE, 1990,	posting Beyond Static Scho	eduling	j in a	Superscal	ar	
	Sohi, Gurindar S. and Sriram Vajapeyam, "Instruction Issue Logic for High-Performance, Interruptable Pipelined Processors," Conference Proceedings of the 14 th Annual International Symposium on Computer Architecture, June 2-5, 1987, pp. 27-34.									
	AT	Thornton, J.E., Design of a Computer: The Control Data 6600, Control Data Corporation, 1970, pp. 58-140.								
EXAMINER			F			DATE	consi	DERED		
line through	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 509. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.									

Page 16 of 28 ATTY. DOCKET NO. APPLICATION NO. To Be Assigned SP015.C17 FORM PTO-1449 APPLICANT Nguyen et al. INFORMATION DISCLOSURE STATEMENT FILING DATE GROUP Herewith To be assigned U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE NAME CLASS SUB-FILING DATE NUMBER CLASS **AA16** AB16 AC16 AD16 AE16 AF16 AG16 AH16 AI16 **AJ16** AK16 FOREIGN PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SITR-TRANSLATION NUMBER CLASS Yes AL16 No Yes AM16 No Yes AN16 No Yes A016 No Yes AP16 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Tjaden et al., "Detection and Parallel Execution of Independent Instructions," <u>16</u> IEEE Trans. On Computers, Vol. C-19, No. 10, October 1970, pp. 889-895. Tjaden et al., "Representation of Concurrency with Ordering Matrices," IEEE Trans. On Computers, Vol. C-22, No. 8, August 1973, pp. 752-761. <u>16</u> Tjaden, Representation and Detection of Concurrency Using Ordering Matrices, AT 16 (Dissertagion), 1972, pp. 1-199. EXAMINER DATE CONSTDERED EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. line through citation if not in conformance and not considered. Include copy of this form with next

communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. SP015.C17	APPLICATION NO. To Be Assigned
APPLICANT Nguyen et al.	
FILING DATE	GROUP

						FILING DATE GROUP Herewith To be assigned				
U.S. PATENT DOCUMENTS										
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME		CI	ASS	SUB- CLASS	FILING DATE
	AA17									
	AB17						(			
	AC17									
	AD17									
	AE17	<del> </del>								
	AF17	<del> </del>								
	AG17	↓								
	AH17	<b>↓</b>							ļ	
	AI17	—						-		
	AJ17	—				<del></del>				
	AK17									
				FOREIG	N PATE	NT DOCUMENTS			<del>,                                      </del>	
EXAMINER INITIAL		DOCU	IMENT BER	DATE	COUNT	RY	CI	ASS	SUB- CLASS	TRANSLATION
	AL17									Yes No
	AM17									Yes No
	AN17									Yes No
	A017					<del></del>				Yes No
	AP17							-		Yes No
			OTHER (Incl	uding Author.	Title	, Date, Pertinent	Pages.	etc.)	<u> </u>	
$\Omega$	AR	<u>17</u>	Tomasulo,	R.M., "An Eff	icient	Algorithm for Ex January 1967, pp	xploitin	g Multi	iple Arith	metic
	Uht, A.K., "An Efficient Hardware Algorithm to Extract Concurrency From General-Purpose Code," Proceedings of the 19th Annual Hawaii International Conference on System Sciences, 1986, pp. 41-50.									
	Wedig, R.G., Detection of Concurrency in Directly Executed Language Instruction Streams, (Dissertation), June 1982, pp. 1-179.									nstruction
EXAMINER	/1	7	//2				DAT	e chisi	DERED	
EXAMINER: 1	citati	ion is	f not in co	nsidered, when	ther or	not citation is	in con	of thi	e with MP	EP 609. Draw th next

			·						Page 18 of 28
•					ATTY. DOCKET NO. SP015.C17			CATION NO Assigned	•
INFO			TO-1449 <u>Cl</u> osure sta	TEMENT	APPLICANT Nguyen et al.				*
					FILING DATE Herewith		GROUP To be	assigned	
				<b>U.S.</b>	PATENT DOCUMENTS			-	
EXAMINER INITIAL		DOCT	UMENT BER	DATE	NAME	CLA	\ss	SUB- CLASS	FILING DATE
	AA18								-
	AB18								
· · · · · · · · · · · · · · · · · · ·	AC18	<b> </b>				_,			
	AD18	<u> </u>				_			
	AE18	┼		<u> </u>					
	AF18	╁							
	AG18 AH18	-				<del>-</del>			
!	AI18	$\vdash$			*		<u>.</u>	-	
	AJ18	†							*
	AK18	1							
		•		FORBIG	N PATENT DOCUMENTS	<u></u>			<del></del>
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CITA	ss	SUB- CLASS	TRANSLATION
	AL18								Yes · No
	AM18	<u> </u>			.,,				Yes No
	AN18								Yes
	A018								Yes No
	AP18								Yes
			OTHER (Incl	uding Author,	Title, Date, Pertinent	t Pages, e	etc.)		
	AR	18		Third-Genera	tion RISC Processors,			rt, March	ı 30, 1992,
W	AS	18	Weiss et a	ıl., "Instruct Trans. On Com	ion Issue Logic in Pip puters, Vol. C-33, No.	elined Suj 11, Nove	percom mber 1	puters," 984, pp.	Reprinted 1013-1022.
1	AT	18	English La	inguage Transl 15 pages.	ation of Japanese Pate	nt Appl. )	No. 61	-95447, p	oublished May
EXAMINER	1			\			CONST	1/_/	/
EXAMINER: In line through communication	Citati	on 11	t pot in co	nsidered, when	ther or not citation is not considered. Inclu	in confo	ormance	with MP form wi	EP 609. Draw th next
			+						

FO	RM P	TO-14	19	
INFORMATION	DIS	CLOSUR	E ST	ATEMENT

ATTY. DOCKET NO. SP015.C17	APPLICATION NO. To Be Assigned
APPLICANT Nguyen et al.	
FILING DATE Herewith	GROUP

nerewith 10 be assigned												
U.S. PATENT DOCUMENTS												
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE				
	AA19											
,	AB19											
	AC19						-					
	AD19											
	AE19											
_	AF19											
	AG19											
	AH19											
	AI19											
	AJ19											
	AK19											
FOREIGN PATENT DOCUMENTS												
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION				
								Yes				
	AL19							No Yes				
	AM19							No				
	AN19							Yes No				
	A019				·			Yes No				
	AP19							Yes No				
			OTHER (Incl	uding Author,	Title, Date, Pertinent Page	es. etc.)						
	AR	<u>19</u>	English La		ation of Japanese Patent App		·278337, p	ublished				
$\mathcal{N}$	AS	<u>19</u>	English La June 12, 1	nguage Transl 991, 7 pages.	ation of Japanese Patent App	pl. No. 3-	137729, p	ublished				
1	AT.	<u>19</u>	English Language Translation of Japanese Patent Appl. No. 3-147134, published June 24, 1991, 18 pages.									
EXAMINER		1/	1 /		1	DATE CONSI	DERED					
BXAMINER: In line through communication	citati	on if	not i/n co	nsidered, when	ther or not citation is in considered. Include considered.	onformatic py of thi	e with MPI s form wit	EP 609. Draw th next				

									Page 20 of 28	
		_			ATTY. DOCKET NO. SP015.C17			CATION NO	),	
	F	ORM P	TO-1449		APPLICANT	1	10 ве	Assigned		
INFO	RMATION	DIS	CLOSURE STA	TEMENT	Nguyen et al.					
					FILING DATE GROUP Herewith To be assigned					
				U.S.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER		DATE	NAME	CLA	ss	SUB- CLASS	FILING DATE	
	AA20									
	AB20							-		
	AC20									
	AD20									
·	AE20									
	AF20									
	AG20	<u> </u>			•		····		ļ	
	AH20	<u> </u>								
	AI20								<u> </u>	
	AJ20	<u> </u>								
	AK20	<u>.</u>						<u> </u>		
	Т	ī	<del></del>	FOREIG	N PATENT DOCUMENTS		_	1	<del></del>	
EXAMINER INITIAL		DOCT	UMENT BER	DATE	COUNTRY	CLA	ss	SUB- CLASS	TRANSLATION	
	AL20								Yes	
		1							Yes	
	AM20	<b>├</b> ─							No	
	AN20			<u></u>					Yes No	
	A020					1			Yes	
<del>-</del>			·		·				Yes	
-	AP20		OMTTON (T1		MAN DAM DONAL DAM			<u> </u>	No.	
	<u> </u>		THER (INC.	uding Author,	Title, Date, Pertinent	Pages,	ate.)	<del></del>		
W	AR	20	based on t Architectu	he SIMP (Sing	formance Evaluation of the Instruction Stream/Miciplinary Graduate School 37-344.	ultiple	Instru	ction Pi	peline)	
	AS	20	Superscala Stream/Mul	lish Language Translation, Kuga Morio et al., "Performance Evaluation of the erscalar Processor "SIMP" based on the SIMP (Single Instruction eam/Multiple Instruction Pipeline) Architecture," Interdisciplinary Graduate ool of Engineering Sciences, Kyushu University, 1990, pp. 337-344, (Document 0).						
U	АТ	20	Processor Graduate S	Prototype," D	Low-Level Parallel Proce epartment of Information neering Sciences, Kyush	n System	s. Int	erdiscip	ĺźnarv	
EXAMINER	///	/		_		DATE	consi	DERED )		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

						_		1	Page 21 of 28	
					ATTY. DOCKET NO. SP015.C17			CATION NO. Assigned	•	
TNFO			TO-1449 LOSURE STA	темент	APPLICANT Nguyen et al.					
<u> </u>			LOGOKO DIN	<u> </u>	FILING DATE GROUP Herewith To be assigned					
				U.S.	PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	MENT BER	DATE	NAME	CI	ASS	SUB- CLASS	FILING DATE	
	AA21									
	AB21	<u> </u>	. "	-	. <u></u>		-	_		
	AC21	ļ								
	AD21		-					_		
	AE21	ļ			···				<u> </u>	
	AF21		· · · · · · · · · · · · · · · · · · ·							
	AG21 AH21	-				-				
	AI21	1						•		
	AJ21									
	AK21				<u> </u>		_			
				FOREIG	N PATENT DOCUMENTS				1	
EXAMINER INITIAL		DOCU	MENT BER	DATE	COUNTRY	CL	ASS	SUB- CLASS	TRANSLATION	
	AL21				•				Yes No	
	AM21		. "						Yes No	
	AN21								Yes No	
	A021								Yes No	
	AP21								Yes No	
	711.22	<del>' </del>	THER (Incl	uding Author	Title, Date, Pertinent	Pages	etc )			
Ŵ	AR	21	English La Processing Systems, I	inguage Translog Algorithm for	ation, Kuga Morihiro et r the SIMP Processor Pro ary Graduate School of 1 . 12, Dec. 1989, pp. 160	al., "I ototype, Engineer	ow-Lev " Depa	rtment of iences, K	Information Yushu	
	AS	<u>21</u>	US Applica	ation 09/336,5	89, Senter Cheryl et al	., June	21, 19	99.		
U	AT	21	Colwell et al., "A VLIW Architecture for a Trace Scheduling Compiler,"  Proceedings of the 2 ^{md} International Conference on Architectural Support for  Programming Languages and Operating Systems, October 5-8, 1987, California.							
EXAMINER	1	7	////			DATE	gonsi	DERED	•	
EXAMINER: I line through communication	citati	on it	f not in co	nsidered, whet	ther or not citation is not considered. Include	in conf	ormanc of thi	e with MP s Form wi	EP 609. Draw th next	
John Mile Carlo	LU AD	وعددور								

# FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. SP015.C17	APPLICATION NO. To Be Assigned
APPLICANT Nguyen et al.	
FILING DATE	GROUP

EXAMINER INITIAL	AA22 AB22 AC22	DOCU	JMENT BER	U.S.	PATENT DOCUMENTS NAME			1		
	AB22 AC22			DATE	NAME					
	AB22 AC22				NAME	CLASS	SUB- CLASS	FILING DATE		
	AC22	1								
	<del></del>	ļ								
		<u> </u>								
	AD22	<u> </u>								
	AE22									
	AF22									
	AG22									
	AH22									
	AI22									
	AJ22									
	AK22									
				FOREIG	N PATENT DOCUMENTS					
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION		
	AL22							Ye · N		
		]						Ye		
	AM22					-	<del> </del>	N.		
	AN22	<u> </u>						Ye		
	A022							Ye N		
	AP22									
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pa	ges, etc.)				
$\widehat{\mathcal{M}}$	AR	22			for Refusal for Japanese : 2002, 2 pages.	Patent Appl	ication No	. 2000-		
$\mathcal{U}$	AS	<u>22</u>	Notificati 145124, ma	ion of Reason ailed June 26,	for Refusal for Japanese 1 2002, 2 pages.	Patent Appl	ication No	2000-		
1	AT 22 Notification of Reason for Refusal for Japanese Patent Application No. 2000-145125, mailed June 26, 2002, 2 pages.									
EXAMINER	1	1	1			DATE ONS	DERED			
EXAMINER: In line through communication	citati	on it	f plot in ∕co	nsidered, whe	ther or not citation is in not considered. Include	copy of the	ce with MP	EP 609. Dra		

Page 23 of 28

						ATTY. DOCKET NO. APPLICATION N SP015.C17 To Be Assigned					
TNTPO			TO-1449	TEMENT.		ICANT yen et al.					
INFO	KMATION	DISC	CLOSURE STA	TEMENT	FIL	ING DATE		GROUP To be	assigned		
				T.S.	PATRNT	DOCUMENTS					
EXAMINER INITIAL		DOCU	MENT BER	DATE	NAME	NAME CI		LASS	SUB- CLASS	FILING DATE	
	AA23		_	· · · · · · · · · · · · · · · · · · ·		· <del></del>		•			
	AB23	<b>-</b>						-	<u> </u>		
	AC23										
	AD23	i				***					
	AE23		٠.,								
	AF23				<del>                                     </del>	<del>-</del>				<del></del>	
	AG23		· ·		<del></del>					-	
	AH23								<u> </u>		
	AI23									<del></del>	
-	AJ23	t									
	AK23								-		
	111123			POPPICI	N DATE	NT DOCUMENTS				<u> </u>	
EXAMINER	I	ľ		FORBIG		NI DOCUMENTS				T	
INITIAL		DOCU NUME	MENT BER	DATE	COUNT	RY		LASS	SUB- CLASS	TRANSLATION	
	AL23									Yes No	
	AM23									Yes No	
	AN23									Yes No	
	A023									Yes No	
	AP23								<del>-</del>	Yes	
	NP23	1	MURD / 7 m = 3	uddaa lubbaa	mi e la	Data Bantia				No	
	····	_	THER (INC.)	uding Author,	Title	, Date, Pertine	nt Pages	, etc.)			
$\bigcirc$	AR	<u>23</u>	Notificati 145126, ma	ion of Reason ailed July 3,	for Re 2002,	fusal for Japan 2 pages.	nese Pate	nt Appli	ication No	o. 2000-	
$\mathcal{O}$	AS	23	Notificat: 146442, ma	ion of Reason ailed July 3,	for Re 2002,	fusal for Japan 2 pages.	lese Pate	nt Appl:	ication No	2000-	
	AT	23	Notificat: 146443, ma	Odtification of Reason for Refusal for Japanese Patent Application No. 2000- 16443, mailed July 3, 2002, 2 pages.							
EXAMINER		1	1				DA	TE CONS	DERED		
BKAMINER: In line through communication	citati	on is	not in co	nsidered, when	not c	r not citation onsidered. Inc	is in con	of thi	e with MP. 8 form wi	EP 609. Draw th next	
	/	<del>/</del>	<del></del>				<del>-                                    </del>				

									Page 24 of 28		
					ATTY. DOCKET NO. SP015.C17			CATION N Assigne			
TNEO			TO-1449	TOMONT	APPLICANT Nguyen et al.						
INFO	RMATION	DISC	CLOSURE STA	I EMENI	FILING DATE Herewith		GROUP To be	assigne	d		
				v.s.	PATENT DOCUMENTS						
EXAMINER INITIAL		DOCU	MENT BER	DATE	NAME	CLA	ss	SUB- CLASS	FILING DATE		
	AA24	1	<del></del>	<del></del>							
	AB24										
	AC24	<u> </u>									
	AD24	ļ									
	AE24	-									
	AF24	$\vdash$							<del></del>		
	AG24 AH24	<del>                                     </del>				<del></del>					
	AI24			· · · · · · · · · · · · · · · · · · ·				-			
	AJ24										
	AK24										
				FOREIG	N PATENT DOCUMENTS						
EXAMINER INITIAL		DOCU	MENT BER	DATE	COUNTRY	CILA	ss	SUB- CLASS	TRANSLATION		
	AL24								Yes		
	AM24								Yes		
	AN24			-					Yes		
	A024								Yes		
-	AP24								Yes		
	<u> </u>		OTHER (Incl	uding Author,	Title, Date, Pertinent	Pages,	etc.)				
$\mathcal{O}$	AR	24			ation of Japanese Laid- 0 - date of publication			plicatio	on No. H02-		
1	AS	24	English-la 87229, (Ma	anguage transl arch 28, 1990	ation of Japanese Laid- - date of publication),	Open Pat 5 pages	ent Ap	plicatio	on No. H02-		
4	AT	24	English-la Patent App	English-language translation of Notification of Reason for Refusal for Japanese Patent Application No. 2000-145123, mailed June 26, 2002, 3 pages.							
EXAMINER	/	$\overline{/}$		7		DATE	CONST	DERED			
EXAMINER: I line through communicatio	citati	ion i	f not/in co	nsidered, when	ther or not citation is not considered. Inclu-	in confi de copy	ormanc of thi	e with N	1PEP 609. Draw		
			<del></del>								

FO	RM	PTO-1449	
INFORMATION	DI	SCLOSURE	STATEMENT

ATTY. DOCKET NO. SP015.C17	APPLICATION NO. To Be Assigned
APPLICANT Nguyen et al.	
FILING DATE	GROUP

	Herewith To be assigned												
				v.s.	PATENT DOCUMENTS								
EXAMINER INITIAL		DOCI NUME	JMENT BER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE					
	AA25												
	AB25												
	AC25												
	AD25												
	AE25												
	AF25												
	AG25												
	AH25												
	A125												
	AJ25												
	AK25												
	FOREIGN PATENT DOCUMENTS												
EXAMINER INITIAL		DOCU	JMENT BER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION					
	AL25							Yes No					
	AM25					į		Yes No					
	AN25							Yes No					
	A025							Yes No					
	AP25							Yes No					
			OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	es, etc.)							
	AR	<u>25</u>			ation for Notification of R 5124, mailed June 26, 2002,		r Japanese	Patent					
Ü	AS	<u>25</u>	English-la Applicatio	anguage transl on No. 2000-14	ation for Notification of R 5125, mailed June 26, 2002,	efusal for 4 pages.	r Japanese	Patent					
	AT 25 English-language translation for Notification of Refusal for Japanese Patent Application No. 2000-145126, mailed July 3, 2002, 3 pages.												
EXAMINER	1	1				DATE/CONS							
EXAMINER: I line through communication	citati	on i	f not in co	nsidered, whe nformance and	ther or not citation is in not considered. Include c	conformant opy of thi	e with MR is form wi	EP 609. Draw th next					

									Page 26 of 28		
					ATTY. DOCKET NO. APPLICATION NO. SP015.C17 To Be Assigned						
	F	ORM P	TO-1449		APPLICANT		110 ве	Assigned			
<u>info</u>	RMATION	DIS	CLOSURE STA	TEMENT	Nguyen et al.		T	<u></u>			
					FILING DATE GROUP Herewith To be assigned						
				v.s.	PATENT DOCUMENTS						
EXAMINER INITIAL		DOCI	UMENT BER	DATE	NAME	CT	ASS	SUB- CLASS	FILING DATE		
	AA26										
	AB26										
	AC26										
	AD26										
	AE26										
	AF26	<b> </b>						1			
	AG26	<u> </u>									
	AH26							<u> </u>			
	A126	<u> </u>						<del> </del>			
	AJ26	<del> </del>									
	AK26	<u> </u>	-		<u> </u>				<u> </u>		
	т	1		FORBIG	N PATENT DOCUMENTS			<del> </del>	<del></del>		
EXAMINER INITIAL			DATE	COUNTRY	CI	ASS	SUB- CLASS	TRANSLATION			
<b>.</b>	AL26								Yes No		
	AM26	1							Yes		
	Alizo	+-						<del> </del>	Yes		
	AN26	-						<b></b>	No		
	A026	ļ						ļ	Ye:		
	AP26								Yes		
	•		OTHER (Incl	luding Author,	Title, Date, Pertiner	t Pages,	etc.)				
	AR	<u>26</u>	English-la Patent App	anguage transl	ation for Notification 2000-146442, mailed Ju	n of Reas uly 3, 20	on for 02, 4	Refusal pages.	for Japanese		
	AS	<u>26</u>	English-la Patent App	nglish-language translation for Notification of Reason for Refusal for Japanese atent Application No. 2000-146443, mailed July 3, 2002, 4 pages.							
	AT	<u>26</u>	Processor Pipelining School of	Based on the g) Method, Dep	Low-Level Parallel Pro SIMP (Single Instruct Dartment of Information Sciences, Kyushu Univer	ion Strea n System,	m / Mu Inter	ltiple In disciplin	struction ary Graduate		
EXAMINER	1/1	1	/ V			DAT	e offis	IDERED	/		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

								1	Page 27 of 28		
					ATTY. DOCKET NO. SP015.C17			ATION NO. Assigned			
			TO-1449		APPLICANT Nguyen et al.						
INFO	RMATION	DISC	CLOSURE STA	TEMENT	FILING DATE GROUP Herewith To be assigned						
							o be a	assigned			
EXAMINER		Ι		U.S.	PATENT DOCUMENTS	T	Т		<u> </u>		
INITIAL		DOCU	JMENT BER	DATE	NAME	CLAS	_	SUB- CLASS	FILING DATE		
	AA27										
	AB27	ļ				<b>_</b>	-				
	AC27	<del> </del> -				<del> </del>	-		<del></del>		
	AD27	-			<del></del>	<del>-</del>		<del></del>			
	AE27					+					
	AG27	1				<del> </del>					
	AH27	<b></b> -				<del> </del>					
1	AI27					1					
	AJ27			, ,							
	AK27										
				FOREIG	N PATENT DOCUMENTS						
EXAMINER INITIAL		DOCT NUME	JMENT BER	DATE	COUNTRY	CLAS		SUB- CLASS	TRANSLATION		
	AL27								Yes No		
	AM27								Yes No		
	AN27								Yes No		
	AO27								Yes No		
	AP27								Yes No		
	1100		OTHER (Incl	uding Author,	Title, Date, Pertinent Pag	108, e	tc.)				
· .	AR	27	English-la Processing Instruction	anguage transl y Algorithms f on Stream / Mu on System, Int	ation, Kuga Morihiro et al or the "Shinpu" Processor I ltiple Instruction Pipelin erdisciplinary Graduate Sc 30, No. 12, December 1989	., "Lo Based ing) M	w-Leve on the ethod,	SIMP (S Departmineering	ingle ent of		
	AS	<u>27</u>	Final Reje	Final Rejection from Japanese Patent Appl. No. 502150, 1 page, (July 16, 2002)							
M	АТ	<u>27</u>		English translation of Final Rejection from Japanese Patent Appl. No. 502150, 1 page, (July 16, 2002)							
EXAMINER	1					DATE	CONST	ERED	1		
EXAMINER: I	nitial citati	if re	eterence co	nsidered, when	ther or not citation is in not considered. Include of	conto	rmance f this	with MP	EP 609. Draw		
communication	n to Ap	plica	ant. //			/		/ /	,		

Page 28 of 28

						ATTY. DOCKET NO. SP015.C17			APPLICATION NO. To Be Assigned		
71100			TO-1449	TEMENT	APPLIC				•		
INFO	KMA11UN	DIZ	CLOSURE STA	TEMENT	FILING	DATE		GROUP			
				v.s.	Merewith						
EXAMINER INITIAL	Ī	рост	JMENT	DATE	NAME		CL	ASS	SUB-	FILING DATE	
		NUM					_		CLASS		
	AA28				<u> </u>						
	AB28 AC28	╁			<del></del>				<del> </del>		
	AD28		· · · · · · · · · · · · · · · · · · ·		<del></del>		_				
	AE28			-							
	AF28										
	AG28										
	AH28										
	A128	ļ									
	AJ28								ļ		
	AK28	<u> </u>			L						
	· · ·	T		FORBIG	N PATENT	DOCUMENTS			<del></del>	·	
EXAMINER INITIAL		DOCT	JMENT BER	DATE	COUNTRY		CIT	ASS	SUB- CLASS	TRANSLATION	
	AL28									Yes No	
	AM28									Yes No	
-	AN28									Yes No	
	AO28									Yes No	
	AP28									Yes No	
		٠	OTHER (Incl	uding Author.	Title, I	Date, Pertinent P	ages.	etc.)	·	1	
$\bigcirc$	AR	28	English tr	anslation of	Japanese	Laid Open Patent pages.			102-130634	, (May 18,	
	AS	28									
	AT	28		<i>A</i>				/	B		
EXAMINER	1/	1						consi	1 9		
EXAMINER: In line through communication	citati	on i/i	t⁄not in co	nsidered, whet nformance and	ther or n	not citation is in sidered. Include	n conf	ofmand of thi	e with MP	BP 609. Draw th next	
SKGP_DC1:194374.1		1/						/			

· ID3 01/09/04

	F	ORM P	TO-1449		ATTY. DOCKET (1397.028000H)	NO. SP015.C17	APPLICATION NO	Page 1 of 2 :: 10/700,485			
O P F			OSURE STA	TEMENT	FIRST NAMED INVENTOR: NGUYEN et al.						
JAN 0 9 2004	O.I	<u> </u>		_	FILING DATE: November 5, 2003 ART UNIT: To Be Assigned						
TAVANINED J	<u>\$</u>	1000	UMENT	U.S. PA	TENT DOCUME	NTS					
EXAMINER NAME NARY	7	NUM		DATE	NAME	CLASS	S SUB-CLASS	FILING DATE			
HAGE	AA28						_				
	AB28										
	AC28										
	AD28										
· · · · · · · · · · · · · · · · · · ·	AE28										
	AF28										
	AG28										
	AH28										
	AI28	-									
	AJ28	ļ						-			
	AK28										
	<u> </u>	J	<del></del>	FOREIGN	PATENT DOCUM	MENTS		1			
EXAMINER INITIAL		DOC	UMENT BER	DATE	COUNTRY	CLASS	S SUB-CLASS	TRANSLATION			
	AL5							Yes No			
~	AM5	2000	-353090A	12/19/2000	Japan			X Yes			
1,2	AN5	2000	)-339159A	12/08/2000	Japan			X Yes			
(1/	AO5	2000	)-339160A	12/08/2000	Japan			X Yes			
	AP5	2000	)-357091A	12/26/2000	Japan			X Yes			
	17110	1	OTHER (I	ncluding Auth	or, Title, Date, P	ertinent Pages, e	etc.)				
	AR	<u>28</u>									
W)	AS	<u>28</u>				tober 2, 2003, for anslation (2 pages		Application			
il)	AT	<u>28</u>				tober 2, 2003, for anslation (2 pages		Application			
EXAMINER	•	1/	1/	h			TE CONSIDERED				
<b>EXAMINER:</b> Initiand not considered	al if refere ed. Include	nce cor e copy	nsidered, wheth	ner or not citation in next communica	s in conformance with tion to Applicant.	MPEP 609. Draw lin	hrough citation if no	f in conformance			
			77		· · · · · · · · · · · · · · · · · · ·	7	/				

217619_1.DOC

40/10/10 COT

-				1 1				
	F	ORM P	PTO-1449		ATTY. DOCKET NO (1397.028000H)	O. SP015.C17	APPLICATION NO	Page 2 of 2 ).: 10/700,485
OIP				ATCMENT	FIRST NAMED INVE	NTOR: NGUYEN	et al.	
JAN n q 2	-	DISCI	OSURE STA	ATEMENT	FILING DATE: Nove	mber 5, 2003	ART UNIT: To Be	Assigned
\Z	4.1				ATENT DOOLMENT		***	
EXAMPLE MAR		DOCL	JMENT	U.S. F	PATENT DOCUMENT	<u>s</u>		
NITIAL		NUME		DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA29						_	
	AB29			<u> </u>				
	AC29							1
	AD29							
	AE29				- <del> </del>			
<del></del>	AF29							
	AG29							
	AH29							
	Al29							
	AJ29							
	AK29							
				FOREIG	N PATENT DOCUME	NTS		
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLAS	S SUB-CLASS	
	AL29							Yes No
	AM29							Yes No
	AN29							Yes No
····								Yes
	AO29	<del> </del>						No Yes
	AP29	<u> </u>	OTHER (I	Including Au	 thor, Title, Date, Pert	inent Pages, e	etc.)	No No
$\bigcap$	AR	<u>29</u>	Notice of G	rounds for Reje	ection, dated October 3, 2 Ilish translation (4 pages	2003, for Japane		ion No. 2000-
	AS	29			ction, dated October 3, 2 lish translation (4 pages		se Patent Applicati	ion No. 2000-
	АТ	<u>29</u>	1	1			M	
EXAMINER		1	11 /1			DA	TECONSIDERED	) (
EXAMINER: Initi	ial if refere	ence co	nsidered, whet	ther or not citation	n is in conformance with MF cation to Applicant.	PEP 609. Draw line	through citation in	ot in conformaince
17619_1.DOC	ou. made	is copy	or una torriywi	III HOAL COMHUM	салоп то пррпсант.	7	<del>'                                    </del>	SKGF Rev. 12/03/03
5.5_1.500			1			/	•	1.6v. 1203/03

m 01/17/04

					1 7					Page 1 of
	F	ORM P	ГО-1449			ATTY. DOCKET SP015.C17 (139 FIRST NAMED IN	7.028000H)	10/	PLICATION NO. 700,485	
INFOR	<u>MATION</u>	DISCL	OSURE ST	ATEMENT		FILING DATE		AR	TUNIT	
					S DAT	November 5, 2003		To	Be Assigned	
EXAMINER	1		JMENT		.J. FA	LIAI DOCUMEN	113	· · · · · · · · · · · · · · · · · · ·	1	
INITIAL /	1 1 1 2	NUME		DATE	207	NAME		CLASS	SUB-CLASS	FILING DATE
SIPE	AA7	4,644	,466	02/17/19	367	Saito			_	
	AB7									
2 2 200	AC7			<del> </del>						
2 3 2005	AD7				<u> </u>					
405MARK SET	AE7				·- <u>-</u>	·		<u> </u>		
	AF7		<del>-</del>	†					<del> </del>	
	AG7	<del>                                     </del>		+						
	AH7		· ··· · · · · · · · · · · · · · · · ·	<del> </del>						
i	AI7								1	
	AJ7			<del> </del>						
	AK7									
		·	·	FOR	EIGN F	ATENT DOCUM	ENTS		<u> </u>	
XAMINER			MENT							
NITIAL	<del> </del>	2-130		DATE 05/18/19	190	COUNTRY Japan		CLASS	SUB-CLASS	TRANSLATION X Ye
	AL6									
	AM6	0 331	2004	09/06/19	189	EP				Ye
V	AN6	0 155	211	09/18/19	85	EP				Ye
	AO6			-						Y€ N
	450									Ye
	AP6	L	OTHER (I	ncluding	Autho	r, Title, Date, Pe	rtinent Pag	os etc.)	l	<u> </u>
	AR	<u>30</u>	pages.			sued December				·
<i>(</i> ).	AS	30	146441, 2	teason of pages, ac	ccompa	ion, mailed Octob nied by translatio	oer 24, 2003 on of 2 page	, for Japa s.	inese Appin. N	No. 2000-
U	AT /	30	Notice of R 146442, 2	teason of pages, ac	Rejecti	on, mailed Octob nied by translatio	per 24, 2003 on of 4 page	, for Japa s.	nese Appln. N	No. 2000-
XAMINER	al if[refefe	nice cons	sidered, whell	nér or not cit	tation is 1	IT conformance with N	MPEP 609. Dra	1/ / //	ØNSIDERED	in conformance
KAMINER: Initia										
KAMINER: Initia nd not considered	d. Include	copy of	this-form wit	h next comm	nunicatio	n to Applicant.		_/ _		
XAMINER: Initiand not considered	d. Include	copy of	Mis-form wit	h next comm	nunicatio	n to Applicant.		/	SKGF Rev. 1	

### **FORM PTO-1449**

### INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. SP015.C17 (1397.028000H) 10/7
FIRST NAMED INVENTOR: NGUYEN et al.

APPLICATION NO. 10/700,485

Page 2 of 2

FILING DATE November 5, 2003 ART UNIT To Be Assigned

= 1.4.4.4.4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		1555		<del>0.</del>	. PATENT DOCUMENT	<del>-</del>	7	
EXAMINER INITIAL		NUM	UMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DAT
JIPE	AA8							
10	AB8							
N 2 3 2005	AC8	<del> </del>						
	AD8		· ————————————————————————————————————	<u> </u>			<u> </u>	-
MOEMARK	AE8			<del> </del>				
	AF8	<u> </u>						<del> </del>
	AG8	ļ		<u> </u>	_			
	AH8	<del> </del>						
	AI8	<u> </u>						
	AJ8							
• · · · · · · · · · · · · · · · · · · ·	AK8			<u> </u>				
EXAMINER	<del></del>	-		FOREI	GN PATENT DOCUME	NTS	· · · · · · · · · · · · · · · · · · ·	-
INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATIO
	AL7							Ye N
	AM7							Ye
	AN7							Ye
	A07							Ye
	AP7							Ye
	١_,,,,	_ L	OTHER	(Including A	uthor, Title, Date, Perti	nent Pages, etc.	<u>                                      </u>	
	AR	<u>31</u>	Notice of 146443, 2	Reason of R 2 pages, acco	ejection, mailed October ompanied by translation	r 24, 2003, for Jap of 4 pages.	anese Appin.	No. 2000-
	AS	<u>31</u>						
	AT	<u>31</u>	\(\sigma\)	$\gamma$			1	
EXAMINER			<del>/ /</del>	<del>/</del>		DAYE	CONSIDERED	
EXAMINER: Initi	al if reter	erice co	nsidered, who	ther or not citat	ion is in conformance with MP nication to Applicant.	EP 609. Drawline thr	ough citation if no	in conformance
nor consider	v. made	as copy	ULUJIS TOTTI W	UTITIFICATION TO THE	meation to Applicant.	/ .	//	/

0/11/04

OLE	1				' / '			
FED 17 20			OTO 1440	<del></del> <del>-</del>	ATTY. DOCKET NO. SP015.C17 (1397.028	3000Н)	APPLICATION NO.	Page 1 of 1
INFO	ATION		°TO-1449 LOSURE S	TATEMENT	FIRST NAMED INVENT		al. ART UNIT 2183	<del></del>
THANK				U.S.	November 5, 2003 PATENT DOCUMENTS	<u></u>	2103.	
EXAMINER INITIAL		DOCU	JMENT BER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA8							
	AB8							
	AC8							
	AD8		··- ···					
	AE8							
	AF8							
	AG8							
	AH8							
	AI8							
•	AJ8							
	AK8							
	· · · · · · · · · · · · · · · · · · ·	<u> </u>		FOREI	ON PATENT DOCUMENT	<u>rs</u>		,
EXAMINER INITIAL			CUMENT MBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL7							Yes No
	AM7							Yes No
	AN7							Yes No
	A07							Yes No
	AP7							Yes No
		1	OTHER	(Including A	uthor, Title, Date, Pertin	ent Pages, etc	:.)	
	AR ·	<u>31</u>						
$\mathcal{A}$	AS	31	English tr	anslation of Jap	panese Application No. 2-130	0635, dated May	18, 1990, 19 pag	ges.
	AT	31			7			<u></u>
EXAMINER	11.1.5					I	E CONSIDERED	// /
and not conside	itial if refer red. Inclu	erice co de copy	of this form	tether or not gitat with next commu	ion is in conformance with MPE nication to Applicant.	P 609. Draw line t	hrough citation if no	otin conformance
230688_1.DOC							/ /s	KGF Rev. 12/03/03

Page 1 of 1 APPLICATION NO. ATTY, DOCKET NO. 10/700,485 SP015.C17 (1397.028000H) **FORM PTO-1449** FIRST NAMED INVENTOR: NGUYEN et al. INFORMATION DISCLOSURE STATEMENT FILING DATE ART UNIT 2183 November 5, 2003 **U.S. PATENT DOCUMENTS** DOCUMENT **EXAMINER** NAME CLASS SUB-CLASS NUMBER DATE FILING DATE INITIAL AA8 4,901,233 02/13/1990 Liptay 07/28/1992 5,134,561 Liptay AB8 12/05/1995 AC8 5,473,764 Chi AD8 TO ADEMARY AE8 AF8 AG8 AH8 NE AI8 AJ8 AK8 **FOREIGN PATENT DOCUMENTS EXAMINER** INITIAL **DOCUMENT** DATE COUNTRY CLASS SUB-CLASS **TRANSLATION** NUMBER 64 36336 02/07/1989 Japan Yes AL7 No Yes AM7 No Yes AN7 No Yes **AO7** No Yes AP7 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) <u>31</u> AS <u>31</u> Final Rejection, mailed January 30, 2004, for Japanese Appl. No. 2000-146443, and English language translation of same, 3 pages... AT <u>31</u> EXAMINER DATE CONSIDERED **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. 244562_1.DOC SKGF Rev. 12/03/03

Page 1 of 1 APPLICATION NO. ATTY. DOCKET NO. 10/700,485 SP015.C17 (1397.028000H) **FORM PTO-1449** FIRST NAMED INVENTOR: NGUYEN et al. Fifth Supplemental

TNFORMATION DISCLOSURE STATEMENT FILING DATE **ART UNIT** November 5, 2003 2183 **U.S. PATENT DOCUMENTS** DOCUMENT **EXAMINER** INITIAL **CLASS FILING DATE** NUMBER DATE NAME SUB-CLASS AA8 AB8 AC8 AD8 4,833,599 05/23/1989 Colwell et al. AE8 11/27/1990 4,974,154 Matsuo 5,142,634 08/25/1992 AF8 Fite et al. AG8 AH8 AI8 AJ8 AK8 **FOREIGN PATENT DOCUMENTS EXAMINER** INITIAL COUNTRY **DOCUMENT** DATE CLASS SUB-CLASS TRANSLATION NUMBER Yes AL7 No HEI2-130635 05/18/1990 Yes AM7 No Yes AN7 No Yes **A07** No Yes AP7 No OTHER (Including Author, Title, Date, Pertinent Pages, etc.)
Findlay, et al., "HARP: A VLIW RISC Processor", Proceeding of 5th Annual European Computer Conference on Advanced Computer Technology, Reliable Systems and Applications, May 16, 1991, pp. <u>32</u> . AR 368-372. Kuga et al., "DSNS (Dynamically-hazard-resolved, Statically-code-scheduled, Nonuniform Superscalar): Yet Another Superscalar Processor Architecture", Dept. of Information Systems, AS <u>32</u> Interdisciplinary Graduate School of Engineering Sciences, Kyushu University, Fukuoka, Japan, pp. 14-Colwell et al., "A VLIW Architecture For A Trace Scheduling Compiler", Association For Computing Machinery (ACM), 1987, pp. 180-192. AT <u>32</u> **EXAMINER** DATE CONSIDERE EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. 305047_1.DOC SKGF Rev. 12/03/03

120/04 ..

AAB  NUMBER  DATE  NAME  CLASS  SUB-CLASS  FILING DATE  ABM  LOW 1 0 70M								Page 1 of 2		
NECRMATION DISCLOSURE STATEMENT   Number   Name	•		FORM PTO-1449		SP015.C17 (1397.0	028000H)	10/700,485			
U.S. PATENT DOCUMENTS	INFO									
DOCUMENT   DATE   NAME   CLASS   SUB-CLASS   FILING DATE		(WATIOI	1 DISCLOSURE				2183			
AA8	EXAMINER							T		
BB   BB   BB   BB   BB   BB   BB   B	WA IDORE	AA8	NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE		
AC8  AD8  AE8  AF8  AF8  AF8  AF8  AF8  AF8  AF		<u>-2</u> 1								
AC8  AD8  AE8  AF8  AF8  AF8  AF8  AF8  AF8  AF	ort 2 0 2004	LAB8								
AE8  AF8  AF8  AF8  AF8  AG8 5,129,067 07/1992 Johnson  AH8 5,345,569 09/1994 Tran  AI8 5,136,697 08/1992 Johnson  AJ8 6,256,720 07/2001 Nguyen et al.  AK8 5,287,467 02/1994 Blaner et al.  FOREIGN PATENT DOCUMENTS  INITIAL  DOCUMENT NUMBER  AL7  AM7  AM7  AM7  AM7  AM7  AN7  61-133439 06/20/1986 Japan  X Ye N N N N N N N N N N N N N N N N N N		<u> </u>	<del>-</del>	<del></del>						
AE8  AF8  AF8  AF8  AF8  AF8  AF8  AF8	A DOCUMENT	1								
AE8  AF8  AF8  AF8  AF8  AF8  AF8  AF8	PRADE	AD8								
AGS 5,129,067 07/1992 Johnson  AHS 5,345,569 09/1994 Tran  AIS 5,136,697 08/1992 Johnson  AJS 6,256,720 07/2001 Nguyen et al.  AKS 5,287,467 02/1994 Blaner et al.  EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLATION NUMBER  AL7 AM7 61-133439 06/20/1986 Japan XY YE N Y		AE8								
AGS 5,129,067 07/1992 Johnson  AHS 5,345,569 09/1994 Tran  AIS 5,136,697 08/1992 Johnson  AJS 6,256,720 07/2001 Nguyen et al.  AKS 5,287,467 02/1994 Blaner et al.  EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLATION NUMBER  AL7 AM7 61-133439 06/20/1986 Japan XY YE N Y		ΔFR			<del>-</del>					
AHB 5,345,569 09/1994 Tran  AIB 5,136,697 08/1992 Johnson  AJB 6,256,720 07/2001 Nguyen et al.  BIANT DOCUMENT DOCUMENTS  EXAMINER INITIAL  DOCUMENT NUMBER  AL7 AM7 61-133439 06/20/1986 Japan X Ye N Ye								İ		
AH8   5,345,569   09/1994   Tran	$\mathcal{O}$	AG8	5,129,067	07/1992	Johnson					
AI8 5,136,697 08/1992 Johnson  AJB 6,256,720 07/2001 Nguyen et al.  AKB 5,287,467 02/1994 Blaner et al.  FOREIGN PATENT DOCUMENTS  EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLATION  AL7 Ye  AM7 61-133439 06/20/1986 Japan X Ye  AN7 51-10746 01/28/1976 Japan X Ye  AP7 57-150040 09/16/1982 Japan X Ye  OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR 33  AS 33  AT 33  EXAMINER: Initial if reference considered, whether of not betation is in conformance with MPEP 609. Draw line through cultipatin routin conformance mind not considered. Include copy of this form with ingst communication to Applicant.		AH8	5,345,569	09/1994	Tran	-		-		
AJB 6,256,720 07/2001 Nguyen et al.  AKB 5,287,467 02/1994 Blaner et al.  FOREIGN PATENT DOCUMENTS  EXAMINER NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION YEAR NUMBER NUMBER NAT S1-10746 01/28/1976 Japan X YeAR NAT NUMBER NAT NUMBER NAT S1-10746 01/28/1976 Japan X YEAR NAT NUMBER NAT	700	1								
FOREIGN PATENT DOCUMENTS  EXAMINER INITIAL  DOCUMENT DATE COUNTRY  AL7  AN7  AN7  AN7  AN7  AN7  AN7  AN7		AIB	5,136,697	08/1992	Johnson		ĺ			
FOREIGN PATENT DOCUMENTS  EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLATION NUMBER NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Ye Not the substitution of the substit	(/b)	AJ8	6,256,720	07/2001	Nguyen et al.					
FOREIGN PATENT DOCUMENTS  EXAMINER INITIAL DOCUMENT DATE COUNTRY CLASS SUB-CLASS TRANSLATION NUMBER NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Ye Not the substitution of the substit	1-1-	AKR	5 287 467	02/1004	Planer et al			<del>-</del>		
EXAMINER INITIAL  DOCUMENT NUMBER  DATE COUNTRY  CLASS SUB-CLASS TRANSLATION  Ye  N  AM7  AM7  AN7  61-133439  06/20/1986  Japan  X Ye  AO7  AO7  51-10746  01/28/1976  Japan  X Ye  N  OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR 33  AT 33  EXAMINER: Initial if reference considered, whelther/of not betaffion is in conformance with MPEP 609. Draw line through cliation if not no conformance and not considered. Include copy of this form-with next communication to Applicant.		Aito	3,207,407	02/1994	Dianer et al.					
INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION YES ALTO NUMBER NOT ALTO NUMB	EVALUED.			FOREIGN	N PATENT DOCUME	NTS				
AL7  AM7  AM7  AN7  61-133439  06/20/1986  Japan  X Ye  AO7  AO7  51-10746  01/28/1976  Japan  X Ye  NO  AP7  OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR 33  AS 33  AT 33  EXAMINER: Initial if reference considered, whell/er/of not etation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form-writh next communication to Applicant.	INITIAL			DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION		
AM7 AN7 61-133439 06/20/1986 Japan X Ye A07 51-10746 01/28/1976 Japan X Ye AP7 Total One of the continuation of the continuati		A1.7								
AM7 61-133439 06/20/1986 Japan X Ye AN7 51-10746 01/28/1976 Japan X Ye AO7 57-150040 09/16/1982 Japan X Ye AP7 OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR 33  AT 33  EXAMINER initial if reference considered, wherefer of not estation is in conformance with MPEP 609. Draw line through citation if not/in conformance and not considered. Include copy of this form-with next communication to Applicant.		AL/		·						
AN7 AO7 51-10746 D1/28/1976 Japan X Ye AP7 OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR 33  AT 33  EXAMINER EXAMINER: Initial if reference considered, whether/or not estation is in conformance with MPEP 609. Draw line through cliation if not in conformance and not considered. Include copy of this form with next communication to Applicant.		AM7					9.00	N		
AO7 57-150040 09/16/1982 Japan X Ye AP7 OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR 33  AT 33  AT 33  EXAMINER: Initial if reference considered, whether/of not estation is in conformance with MPEP 609. Draw line through cliation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	01	AN7	61-133439	06/20/1986	Japan					
AP7 57-150040 09/16/1982 Japan X Ye N  OTHER (Including Author, Title, Date, Pertinent Pages, etc.)  AR 33  AT 33  EXAMINER: Initial if reference considered, whether/of not enable in conformance with MPEP 609. Draw line through dilation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	101		51-10746	01/28/1976	Japan					
AR 33  AT 33  EXAMINER: Initial if reference considered, whether/of not estation is in conformance with MPEP 609. Draw line through citation if notin conformance and not considered. Include copy of this form with next communication to Applicant.	-00	A07	57-150040	09/16/1082	lanan		-			
AR 33  AT 33  EXAMINER: Initial if reference considered, whether/of not bitation is in conformance with MPEP 609. Draw line through citation if not/in conformance and not considered. Include copy of this form with next communication to Applicant.		AP7	07-100040	03/10/1982	<b>Јаран</b>	ottore to the				
AT 33  EXAMINER: Initial if reference considered, whether/or not estation is in conformance with MPEP 609. Draw line through citation if not no conformance and not considered. Include copy of this form with next communication to Applicant.			OTHE	R (Including Aut	hor, Title, Date, Pert	inent Pages, etc	.)			
AT 33  EXAMINER: Initial if reference considered, whether/of not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.		AR	33							
EXAMINER: Initial if reference considered, whether/or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.		AS	33							
EXAMINER: Initial if reference considered, whether/or not estation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.		AT	33	1				<u> </u>		
///	EXAMINER: Init	tial if refer	ence considered,	whether/or not citation	is in conformance with MP	1 /		Vin conformance		
20785_1.DOC /SKGF Rev. 12/03/0		eu. mauc	be copy of this for	with next communic	auon to Applicant.		// /			
	20785_1.DOC			./		1 / 1.	/ /sı	KGF Rev. 12/03/0		
				1			/	•		

Page 2 of 2

**FORM PTO-1449** 

Sixth Supplemental
INFORMATION DISCLOSURE STATEMENT

APPLICATION NO. 10/700,485

ATTY. DOCKET NO.

SP015.C17 (1397.028000H)

FIRST NAMED INVENTOR: NGUYEN et al.

FILING DATE November 5, 2003 ART UNIT 2183

			U.S.	PATENT DOCUMENTS	·		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
N	AA9	4,775,927	10/1988	Hester et al.			
(1)	AB9	5,197,136	03/1993	Kimura et al.			
5/	AC9	5,179,530	01/1993	Genusov et al.			
1/1	AD9	5,317,720	05/1994	Stamm et al.			
0	AE9	6,647,485	11/2003	Nguyen et al.			
	AF9						
	AG9						
	AH9						
	Al9						
	AJ9				····		
	AK9					<del>                                     </del>	<del>                                     </del>
	<u> </u>		FOREIG	ON PATENT DOCUMEN	ITS		
EXAMINER INITIAL		DOCUMENT NUMBER		COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL8	Nomber		000/////	- OBAGG	COB-OLAGO	Yes
	AM8						No Yes
							No Yes
	AN8	<u> </u>					· Yes
	AO8	<del>-</del>					No Yes
	AP8	OTHE	R (Including A	uthor, Title, Date, Pertir	nent Pages, etc.		No
					1900, 0.0.		
	AR	34					
	AS	34					
	AT	34				$\wedge$	7
EXAMINER: In	itial if refer	ence considered,	whether or not cltati	on is in conformance with MPE	1 /	CONSIDERED	t in conformance
and not conside	red. Includ	de copy of this for	m with next commun	nication to Applicant.	//	<del>/-/-</del>	
320785_1.DOC		1	/		- 1/	/ SI	KGF Rev. 12/03/03

Page 1 of 2 ATTY, DOCKET NO. APPLICATION NO. 10/700,485 SP015.C17 (1397.028000H) FORM PTO-1449 FIRST NAMED INVENTOR: NGUYEN et al. venth Supplemental ON DISCLOSURE STATEMENT FILING DATE **ART UNIT** November 5, 2003 2183 **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT INITIAL NUMBER DATE NAME CLASS SUB-CLASS **FILING DATE** AA9 AB9 AC9 AD9 AE9 AF9 5,167,035 11/1992 Mann et al. AG9 2003-0056086-3/20/2003 Nguyen et al. AH9 2003-0079113-4/24/2003 Nguyen et al. Α1 2003-0070060-4/10/2003 Al9 Nguyen et al. A1 AJ9 2003-0056087-3/20/2003 Nguyen et al. AK9 2004-0054872-3/18/2004 Nguyen et al. A1 FOREIGN PATENT DOCUMENTS **EXAMINER** INITIAL **DOCUMENT** DATE COUNTRY **CLASS** SUB-CLASS TRANSLATION NUMBER Yes AL8 No Yes 8MA No Yes AN8 No Yes 80A No Yes AP No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) AR <u>33</u> AS <u>33</u> AT <u>33</u> **EXAMINER** DATE CONSIDERED **EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line/through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. 363983_1.DOC SKGF Rev. 12/03/03

FORM PTO-1449
Seeventh Supplemental
INFORMATION DISCLOSURE STATEMENT

		Page 2 of 2
ATTY, DOCKET NO.	APPLICATION NO.	
SP015.C17 (1397.028000H)	10/700,485	
FIRST NAMED INVENTOR: NGUYER	v et al.	
FILING DATE	ART UNIT	
November 5, 2003	2183	

			U.S. F	PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	EILING DATE
1/1)	AA10	2004-0093483- A1	5/13/2004	Nguyen et al.	CLASS	SUB-CLASS	FILING DATE
	AB10	2004-0093482- A1	05/13/2004	Nguyen et al.			
5/	AC10	6,256,720	07/03/2001	Nguyen et al.			
00	AD10	6,272,619	08/07/2001	Nguyen et al.			
	AE10	6,647,485	11/11/2003	Nguyen et al.			
	AF10						
	AG10						
	AH10						
	Al10						
	AJ10						
	AK10						
			FOREIG	N PATENT DOCUMEN	ITS		
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<u>.</u>	AL9						Yes No
	AM9						Yes No
	AN9						Yes No
	AO9						Yes No
	AP9						Yes No
	,	OTHER	(Including Au	thor, Title, Date, Pertir	nent Pages, etc.)		
	AR	<u>34</u>					
	AS	34					
	AT	34	A				
EXAMINER	·	1/1/	///			CONSIDERED	
EXAMINER: Initi and not considere	al if refere ed. Includ	ence considered, while copy of this form v	ether or not citation with next communic	n is in conformance with MPE cation to Applicant.	P 609. Draw line thro	unt citation if not	In conformance
863983_1.DOC			/			sk	GF Rev. 12/03/03